| Inde | x of Cl | laims |
|------|---------|-------|
|      |         |       |

| Application No.      | Applicant(s)   |  |
|----------------------|----------------|--|
| 09/625,960           | AGUILAR ET AL. |  |
| Examiner             | Art Unit       |  |
| Michael N. Opsasnick | 2655           |  |

| √ | Rejected |
|---|----------|
| = | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| + | Restricted                     |

| N | Non-Elected  |  |
|---|--------------|--|
| ı | Interference |  |

| A | Appeal   |
|---|----------|
| ο | Objected |

| Cla  | L.,  |          |                | [            | Date   | •  |          |              |              | l            |   |
|--|--|----------|----------------|--------------|--|--|----------|--------------|--------------|--------------|---|
| Final  | Original   | 9/14/05  |                |              |  |  |          |              |              |              |   |
| 1  | 1  | =        |                |              |  |  |          |              |              |              | l |
| 2  | 2  | Ξ        |                |              |  |  |          |              |              |              |   |
|  | 3  |          |                |              |  |  |          |              |              |              | l |
| 3  | 1<br>2<br>3<br>4<br>5  | =        |                |              |  |  |          |              |              |              | l |
| 3<br>4<br>5<br>6<br>7<br>8                   | 5  | =        |                |              |  |  |          |              |              |              | ŀ |
| 5  | 6  | =        |                |              |  | _  |          |              |              |              |   |
| 6  | 7  | п        |                |              |  |  |          |              |              |              | l |
| 7  | 8  | =        | $\vdash$       |              |  |  |          |              |              |              |   |
| 8  | 9  | =        |                |              |  |  |          |              |              |              | l |
|  | 10   | I        |                |              | <del>                                     </del> |  |          |              |              |              | l |
| 10   | 11   | =        |                |              |  |  |          |              |              |              | l |
|  | 12   |          | Т              |              | T  |  |          |              | П            |              | l |
| 11   | 6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20 | =        |                |              | Ι-   | П  |          | П            | П            |              | ı |
| 12   | 14   | Ξ        | $\vdash$       | $\vdash$     | T-   | П  |          |              | /            |              | ١ |
| 12<br>13<br>22<br>19<br>20<br>21<br>14<br>15 | 15   | =        | $\vdash$       |              | l —  | П  | H        |              | Н            | $\vdash$     | l |
| 22   | 16   | =        | $\vdash$       | $\vdash$     | $\vdash$   | <b>-</b>   | Н        | $\vdash$     | Т            | $\vdash$     | l |
| 19   | 17   | =        | -              | $\vdash$     | $\vdash$   | Н  | -        | $\vdash$     | -            | $\vdash$     | ı |
| 20   | 18   | =        | H              | _            | $\vdash$   | $\vdash$   |          | -            | Н            |              | l |
| 21   | 10   | =        | $\vdash$       | $\vdash$     | $\vdash$   |  | -        | -            |              | _            | ١ |
| 1/   | 20   | =        | -              | ┝            | -  |  | -        | $\vdash$     | _            | $\vdash$     | l |
| 15   | 21   | =        | $\vdash$       | -            | <del>  -</del>                                   | -  |          | -            |              | ┝            | ı |
| 16   | 22   | =        | H              | ┝            | $\vdash$   |  | _        | -            | $\vdash$     | ┝            | ŀ |
| 16<br>23<br>24                               | 22<br>23<br>24   | =        | <del> </del> — | ┝            | -  | -  | _        | $\vdash$     | <del> </del> | -            | ł |
| 23   | 23   | =        | ⊢              | -            | H  | -  |          | ├-           | <del> </del> |              | ŀ |
| 25   | 25   | =        | ├─             | -            | $\vdash$   | -  | -        |              | $\vdash$     | -            | ľ |
| 17   | 26   | =        |                | -            | -  | $\vdash$   |          | -            | <del> </del> | ⊢            | l |
| 10   | 27   | =        | ┢              | ┝            | H  | -  | _        | ┢            | $\vdash$     | $\vdash$     | l |
| 25<br>17<br>18<br>26<br>35                   | 25<br>26<br>27<br>28<br>29   | =        |                | ⊢            | H  | -  |          |              | $\vdash$     | <del> </del> | ľ |
| 25   | 20   | =        | -              | ├            | $\vdash$   |  | _        | -            |              | ┝            | l |
| 30   | 29   | =        | -              | ├            | <del> </del>                                     | <del>                                     </del> | -        | -            | -            | ┝            | l |
| 30<br>31                                     | 30<br>31   | _        | -              | -            |  | $\vdash$   | -        | <del> </del> | -            | ⊢            | l |
| 31   | 31   | =        | H              |              | -  | <del> </del>                                     | ⊢        | ⊢            |              |              | l |
| 32   | 32   | =        |                | $\vdash$     | $\vdash$   | -  | $\vdash$ | ⊢            |              | ├            | I |
| 2/   | 33   | =        | -              | $\vdash$     | $\vdash$   |  | <u> </u> | ├            | -            | ⊢            | l |
| 27<br>28<br>29                               | 34   | =        | -              | -            | $\vdash$   | ├  | ├—       |              | -            | ⊢            |   |
| 29   | 35   | =        | _              | <u> </u>     | $\vdash$   | ├  | ├        | ├            | _            | ⊢            | ١ |
| 36<br>37                                     | 36<br>37   | =        | <u> </u>       | ├—           | $\vdash$   | <b> </b> -                                       |          |              | <u> </u>     | ├            | 1 |
| 37   | 3/   | =        | -              | -            | $\vdash$   | ⊢  | <u> </u> |              | $\vdash$     | $\vdash$     | ١ |
| 38   | 38   | =        | <del> </del>   | _            | <u> </u>   | <u> </u>   | ├        | _            | $\vdash$     | _            | ١ |
| 33   | 39   | =        | $\vdash$       | <del> </del> | ⊢-   | ⊢  | <u> </u> | ⊢            | <del> </del> | ⊢            | ١ |
| 34   | 40   | =        | <b>!</b>       | -            | <u> </u>   | <u> </u>   | <u> </u> |              | ├            |              | п |
|  | 41   | <u> </u> | <u> </u>       | ⊢            | $\vdash$   |  | <u> </u> | ├            | <u> </u>     | $\vdash$     | l |
|  | 42   | ⊢        | $\vdash$       | ⊢-           | ļ  | <u> </u>   | <u> </u> | $\vdash$     | $\vdash$     |              | ł |
|  | 43   | ├        | $\vdash$       | $\vdash$     | -  |  |          | <b>├</b>     | $\vdash$     | $\vdash$     | ł |
|  | 44   | <u> </u> | $\vdash$       | ⊢            | ⊢  | <del> </del>                                     | -        | ├—           | $\vdash$     | $\vdash$     | I |
|  | 45   | <u> </u> | L_             | <u> </u>     | <u> </u>   | <u> </u>   | _        | <u> </u>     | <u> </u>     | <u> </u>     | l |
|  | 46   | <b>L</b> | <u> </u>       | <u> </u>     | <del> </del>                                     | ├  | ┡        | <b> </b>     | _            | ⊢            | l |
|  | 47   | <u> </u> | <u> </u>       | <u> </u>     | ļ  | <u> </u>   | <u> </u> | <b> </b>     | ļ            | $\vdash$     | l |
|  | 48   | <u> </u> | <u> </u>       | <b> </b>     | <b> </b>   | <u> </u>   | <u> </u> | <u> </u>     | <u> </u>     | ⊢            | l |
|  | 49   | <b>!</b> | <u> </u>       | <u> </u>     | <u> </u>   | <u> </u>   | $\vdash$ | ┞            | <u> </u>     | ⊢            |   |
|  | 50   | 1        | 1              | ı            | i  | ı  | l        | ĺ            | l            | ı            | E |

| Cla         | aim  |          |              |          | [        | Date         | 3                            |              | _            |                                     | :    |
|-------------|--|----------|--------------|----------|----------|--------------|------------------------------|--------------|--------------|-------------------------------------|------|
|             |  |          |              |          |          |              |                              |              |              |                                     |      |
|             | Original   |          |              |          |          |              |                              |              |              |                                     | :    |
| Final       | <u>.</u>   |          |              |          |          |              |                              |              |              |                                     |      |
| ╙           | िर्ह   |          |              |          |          |              |                              |              |              |                                     |      |
|             | l 1  |          |              |          |          |              |                              |              |              |                                     |      |
|             | 51   |          |              |          |          |              |                              |              |              |                                     |      |
|             | 52   |          |              |          |          |              |                              |              |              |                                     |      |
|             | 53   |          |              |          |          |              |                              |              |              |                                     |      |
|             | 54   |          |              |          |          |              |                              |              |              |                                     | **** |
|             | 55   | $\neg$   |              | _        |          |              |                              |              |              | П                                   |      |
| $\vdash$    | 56   |          |              | _        | $\vdash$ | _            | $\vdash$                     |              | -            |                                     | :    |
|             | 50   |          | _            | $\vdash$ | _        | _            | _                            |              | -            | -                                   |      |
|             | 5/   |          |              |          | Н        |              | _                            |              |              | _                                   |      |
|             | 58   |          |              | _        |          |              | _                            | _            |              |                                     |      |
|             | 59   |          |              | _        |          |              |                              |              | _            | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ |      |
|             | 60   |          |              |          |          |              |                              |              |              |                                     |      |
|             | 61   |          |              |          |          |              |                              |              |              |                                     | :    |
|             | 62   |          |              |          |          |              |                              |              |              |                                     | 1    |
|             | 63   |          |              |          | П        |              |                              |              |              |                                     | 1    |
| <b>—</b>    | 51<br>52<br>53<br>54<br>55<br>56<br>57<br>58<br>59<br>60<br>61<br>62<br>63<br>64<br>65<br>66 | $\vdash$ |              | $\vdash$ | $\vdash$ | Н            | $\vdash$                     | Н            | П            |                                     | 1    |
| <del></del> | 65   |          |              | -        | $\vdash$ | <del> </del> |                              | -            | $\vdash$     | $\vdash$                            | 1    |
|             | 00   |          |              | -        |          | H            | $\vdash$                     | $\vdash$     |              | $\vdash$                            |      |
| <u> </u>    | 00   |          |              | <u> </u> | H        | -            | $\vdash$                     | $\vdash$     | <u> </u>     |                                     | 1    |
|             | 67   |          |              | _        | L        | <u> </u>     | _                            | Ш            | Ш            | _                                   |      |
|             | 68   |          |              |          |          |              | L.                           | _            |              | L.                                  | ŀ    |
|             | 67<br>68<br>69<br>70<br>71<br>72<br>73<br>74<br>75<br>76<br>77<br>78                         |          |              |          |          |              |                              |              |              |                                     |      |
|             | 70   |          |              |          |          |              |                              |              |              |                                     |      |
|             | 71   |          |              |          | <u> </u> | Г            |                              |              |              |                                     |      |
|             | 72   |          | _            |          |          | $\vdash$     |                              |              |              |                                     |      |
|             | 73   |          |              | -        |          | $\vdash$     |                              | $\vdash$     | _            | $\vdash$                            | 1    |
|             | 74   | _        |              | -        | -        | $\vdash$     |                              |              | $\vdash$     | -                                   |      |
|             | 75   | $\vdash$ |              | -        | _        | <del> </del> | $\vdash$                     | -            | $\vdash$     |                                     |      |
| <u> </u>    | /5   | _        |              |          | -        | ┝            | _                            | -            |              |                                     |      |
|             | /6   |          |              |          |          | _            |                              | _            | <u> </u>     | L                                   |      |
|             | 77   |          |              | _        | _        | L_           | <u> </u>                     |              | _            | _                                   |      |
|             | 78   |          |              |          |          |              |                              |              |              |                                     |      |
|             | 79   |          |              |          |          |              |                              | l            |              |                                     | l    |
|             | 80<br>81   |          |              |          |          |              |                              |              |              |                                     | l    |
|             | 81   |          |              |          | Г        |              |                              |              |              |                                     | ı    |
|             | 82   |          | $\vdash$     |          |          |              |                              |              |              | $\vdash$                            | ١    |
| $\vdash$    | 83   | -        | Н            | ┢        | ┢        | _            | 1                            |              | ┢            | -                                   | ١    |
|             | 0.0  | $\vdash$ | <del> </del> | $\vdash$ | $\vdash$ | $\vdash$     | ├-                           | ├-           | $\vdash$     | $\vdash$                            | ١    |
| <u> </u>    | 82<br>83<br>84<br>85<br>86<br>87<br>88   |          | $\vdash$     | ├-       | $\vdash$ | $\vdash$     | -                            | <del> </del> | $\vdash$     | $\vdash$                            | l    |
|             | 85   | <u> </u> | <b> </b> -   | ├—       | ⊢        | $\vdash$     | <del> </del>                 | ├            | $\vdash$     | $\vdash$                            | l    |
|             | 86   | _        |              | <u> </u> | <u> </u> | <u> </u>     | <u> </u>                     | ļ            | <u> </u>     | <u> </u>                            | l    |
|             | 87   | L_       | ļ            |          | _        | <u> </u>     |                              | <u> </u>     | _            | <u> </u>                            | l    |
|             | 88   |          |              |          |          |              |                              | <u> </u>     | $oxed{oxed}$ | $oxed{oxed}$                        |      |
|             | 89   |          |              |          |          |              |                              |              |              |                                     |      |
|             | 89<br>90   |          | Г            | Γ        |          |              |                              |              |              | I -                                 | l    |
|             | 91   |          |              | 1        |          |              |                              | Γ            |              | Γ                                   |      |
| <b>—</b>    | 92   |          | _            | 1        |          | $\Box$       | T                            | <u> </u>     | Ι_           | Г                                   | ۱    |
| $\vdash$    | 92<br>93   | -        | $\vdash$     | Н        | Н        | $\vdash$     | 一                            | Н            | $\vdash$     |                                     | Í    |
| <b>-</b>    | 04   |          | $\vdash$     | $\vdash$ | ⊢        | $\vdash$     | $\vdash$                     | 1            |              | $\vdash$                            | ۱    |
| <b></b>     | 94<br>95   | ├        | ├            | $\vdash$ | $\vdash$ | $\vdash$     | ├-                           | -            | <del> </del> | $\vdash$                            | l    |
| <u> </u>    | 95   | <u> </u> | <u> </u>     | <u> </u> | Ь—       | <u> </u>     | $\vdash$                     | <u> </u>     | <b> </b>     | $\vdash$                            | l    |
| <u></u>     | 96   | <u> </u> | <u> </u>     | <u> </u> | oxdot    | <u> </u>     | $ldsymbol{ldsymbol{\sqcup}}$ | <u>_</u>     | <u> </u>     |                                     | I    |
|             | 97   |          | L            | 匚        | L        | <u> </u>     |                              |              | <u></u>      | <u></u>                             | l    |
|             | 98   | L        |              | L        | L        | L            |                              | L            |              | L                                   | l    |
|             | 99   |          |              |          |          | L            | Ĺ                            | L            | L            | L                                   | l    |
| Clá reu ii. | 100  | Γ        |              |          | T        | Γ            | Γ                            |              |              |                                     |      |
|             |  |          |              |          |          |              |                              |              |              |                                     |      |

|   | CI    | aim   |              |  |              |          | Date   | •        |             |          |          |
|---|-------|---|--------------|--|--------------|----------|--|----------|-------------|----------|----------|
|   | Final | Original  |              |  |              |          |  |          |             |          |          |
| 1 |       | 101   |              |  |              | _        |  |          |             |          |          |
| 1 |       | 101<br>102<br>103   |              |  |              |          |  |          |             |          |          |
|   |       | 103   |              |  |              |          |  |          |             |          |          |
|   |       | 104   |              |  |              |          |  |          |             |          |          |
| 1 |       | 105   |              |  |              |          |  |          |             |          |          |
| ١ |       | 106   |              | _  |              |          |  |          |             |          |          |
| ١ |       | 107   |              | -  | _            |          |  |          |             |          |          |
| 1 |       | 108<br>109  | _            | -  | H            | _        | _  |          |             |          | -        |
|   |       | 110   |              | $\vdash$   | $\vdash$     | _        | -  | -        |             |          | Н        |
|   |       | 111   | $\vdash$     | -  | -            |          | _  | $\vdash$ | -           | _        | H        |
|   |       | 112   | ┢            | <del> </del>                                     | <del></del>  |          |  | Н        | <del></del> |          | H        |
| 1 |       | 113   |              |  | П            |          | Т  | Г        |             |          | П        |
| : | -     | 113<br>114  |              |  |              |          |  |          |             |          |          |
| : |       | 115   |              |  |              |          |  |          |             |          |          |
|   |       | 116   |              |  |              |          |  |          |             |          |          |
|   |       | 117   |              |  |              |          |  |          |             |          | Ш        |
|   |       | 118   |              |  | <u> </u>     |          |  |          |             |          | Ш        |
|   |       | 119   | _            | L  | _            |          | _  | _        |             |          | Ш        |
|   |       | 120_  |              | <u> </u>   |              |          | L  |          | <u> </u>    |          | Щ        |
|   |       | 121   | <del> </del> | $\vdash$   | $\vdash$     | _        | _  | _        | _           | $\vdash$ | Н        |
|   |       | 122   | ├            | ├—   | <u> </u>     |          | <u> </u>                                     | -        | _           | -        | Н        |
|   |       | 123   | ⊢            | ├  | H            |          | _  | _        | ├           | _        | $\vdash$ |
|   |       | 125   | $\vdash$     | ├-   | ┝            |          | ⊢  |          | $\vdash$    | -        | Н        |
|   |       | 126   | ┢            | ┢  | H            |          | _  |          |             | _        | H        |
|   |       | 127   | $\vdash$     |  |              |          | -  |          | H           |          | Н        |
|   |       | 119<br>120<br>121<br>122<br>123<br>124<br>125<br>126<br>127<br>128<br>129 |              |  | Г            |          | _  |          |             |          | П        |
|   |       | 129   |              | Г  | $\vdash$     |          |  |          |             | Г        | П        |
|   |       | 130<br>131  |              |  |              |          |  |          |             |          |          |
|   |       | 131   |              | L  |              |          |  |          |             | L_       |          |
|   |       | 132   | Ļ_           |  | Ļ            |          | $ldsymbol{ldsymbol{ldsymbol{ldsymbol{eta}}}$ | 匚        | ļ           | _        | Ц        |
|   |       | 133   | _            | 匚  | <u> </u>     | L        |  | _        | _           | L        | Ш        |
|   |       | 133<br>134<br>135<br>136  | <u> </u>     |  | <u> </u>     |          |  |          |             | _        | $\sqcup$ |
|   |       | 135   | ⊢            | -  | ⊢            | <u> </u> | -  | -        |             | ┝        | $\vdash$ |
| : |       | 136   | ┢            | H  | ⊢            |          |  | ├        | ┝           | $\vdash$ | Н        |
|   |       | 138   | ⊢            | ┢  | -            | ├        | $\vdash$                                     | -        | ┝           | -        | Н        |
|   |       | 138<br>139  | ├            | ┢╾   | -            | ┢─       | ┢  | $\vdash$ | -           | -        | -        |
|   |       | 140   | ┢            | <del>                                     </del> | $\vdash$     | $\vdash$ | $\vdash$                                     | $\vdash$ | _           | 1        | Н        |
|   |       | 141   |              | <del>                                     </del> | T            | $\vdash$ |  | <u> </u> | T           |          | П        |
|   |       | 142   |              |  |              |          |  |          |             | 匚        |          |
|   |       | 143   |              |  |              | L        |  |          |             |          |          |
|   |       | 143<br>144  |              |  |              |          |  |          |             |          | П        |
|   |       | 145   | $\Box$       | $\Box$   | 匚            | Ľ        | Ĺ  |          |             |          | Ш        |
|   |       | 146   |              | L  |              |          |  |          | L           | <u> </u> | Ш        |
|   |       | 147   |              | $\vdash$   | <u></u>      | _        | <u> </u>                                     | <u> </u> | _           | <u> </u> | Ш        |
|   |       | 148   | ⊢            | <u> </u>   | _            | _        | <u> </u>                                     | <u> </u> | -           | <u> </u> | Ш        |
|   |       | 149   | $\vdash$     | $\vdash$   | <del> </del> | $\vdash$ | <u> </u>                                     | <u> </u> | $\vdash$    | $\vdash$ | Н        |
|   |       | 150   | $\Box$       |  |              |          | <u> </u>                                     | L_       | <u></u>     |          | Ш        |